

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at page 9, lines 22-25 of the Specification as filed with the following paragraph:

Injection head 110 has press switch 131 as a mount-detecting means near the bottom of concave 114. As shown in FIGS. 7a and 7b, press switch 131 detects cylinder member 210 ~~liquid syringe 200~~ having the maximum size installed in concave 114 when liquid syringe cylinder member 210 ~~liquid syringe 200~~ comes into contact with switch 131.

Please replace the paragraph at page 12, lines 7-12 of the Specification as filed with the following paragraph:

Adapter body 401 ~~has~~ have a lower surface whose outer profile is of the same shape as cylinder member 210 of liquid syringe 200 having the maximum size, and has adapter flange 416 forwardly of flange holding mechanism 120 in its lower surface. The outer profile of adapter flange 416 is of the same shape as cylinder flange 213 of liquid syringe 200 having the maximum size.

Please replace the paragraph at page 15, lines 12-15 of the Specification as filed with the following paragraph:

Referring to Fig. 10, when press switch 131 detects the mount of liquid syringe 200 on injection head 110 as described above (step S1), microcomputer 130 of liquid injector 100 outputs the display of a guidance message as "Syringe present~~mounted~~" on touch panel 104 (step S2).

Please replace the paragraph at page 15, lines 16-20 of the Specification as filed with the following paragraph:

As shown in Fig. 7a or Fig. 8b or Fig. 9b, when cylinder member 210 of liquid syringe 200 is not mounted in concave 112 of injection head 110, microcomputer 130 outputs the display of a guidance message as "Syringe not present~~mounted~~" on touch panel 104 in accordance with the detection result of press switch 131 (steps S1, S3).

Please replace the paragraph at page 16, lines 16-19 of the Specification as filed with the following paragraph:

At this point, microcomputer 130 of liquid injector 100 continuously monitors the detection of liquid syringe 200 by press switch 131 (step S10). If the detection by press switch 131 is maintained during the liquid injection, a determination is made as to whether the injection operation is completed (Step S11). If the detection by press switch 131 is lost during the liquid injection, it forcedly stops piston actuating mechanism 116 (step S12).

Please replace the paragraph at page 16, lines 20-25 of the Specification as filed with the following paragraph:

Since microcomputer 130 transmits data indicating the injection stop to control unit 302 of MRI apparatus 300 (step S13), control unit 302 also stops forcedly the imaging by imaging unit 301. In addition, an error guidance such as "Syringe not mounted appropriately. Check mount of syringe" is output as display on touch panel 104 (step S14), so that the operator can check the mount of liquid syringe 200 on injection head 110.

Please replace the paragraph at page 18, lines 4-10 of the Specification as filed with the following paragraph:

Specifically, as shown in Fig. 8b, even when liquid syringe 200 put on cylinder adapter 400 is mounted on and removed from liquid injector 100, this can be detected by press switch 131. As shown in Fig. 9b, even when liquid syringe 200 is mounted on and removed from liquid injector 100 with cylinder adapter 400 put thereon, this can be detected by press switch 131. ~~As a result, it is unnecessary to force the operator to use a particular use and the operator can easily use the liquid injection system.~~

Please replace the paragraph at page 18, lines 15-18 of the Specification as filed with the following paragraph:

Cylinder adapter 400 holds cylinder flange 213 by the pair of lateral movable holders 411 which can be opened or closed, so that it can ~~hold~~ appropriately hold cylinder member 210 even when contact-transfer member 419 is biased to protrude into concave 402.

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Please replace the paragraph at page 19, lines 3-8 of the Specification as filed with the following paragraph:

When movable holders 411 are held in the closed position, cylinder adapter 400 can be installed in liquid injector 100. However, when movable holders 411 are held in the open position, cylinder adapter 400 cannot be installed in liquid injector 100. Consequently, cylinder adapter ~~400~~200 can not be installed in liquid injector 100 insofar as liquid syringe 200 is incompletely held by movable holders 411.

Please replace the paragraph at page 19, lines 16-22 of the Specification as filed with the following paragraph:

When liquid ~~syringe~~ cylinder 200 is pulled upwardly from cylinder adapter 400 with movable holders 411 in the closed position, movable holders 411 are automatically turned into the open position. Thus, liquid syringe 200 can easily and intuitively be placed in and removed from cylinder adapter 400. Movable holders 121 of liquid injector 100 and cylinder adapter 400 also operate in the same fashion, so that cylinder adapter 400 can easily and intuitively be mounted on and removed from liquid injector 100.